

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 09221567  
PUBLICATION DATE : 26-08-97

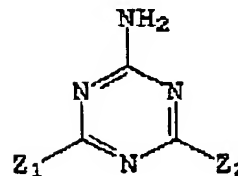
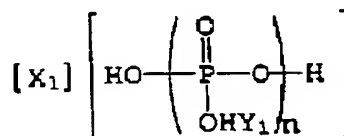
APPLICATION DATE : 13-02-96  
APPLICATION NUMBER : 08050892

APPLICANT : CHISSO CORP;

INVENTOR : TAKEBAYASHI TAKASHI;

INT.CL. : C08L 23/00 C08K 13/02 C08K 13/02  
/(C08K 13/02 , C08K 3:32 , C08K  
5:16 , C08K 5:053 )

TITLE : FLAME-RETARDANT POLYOLEFIN  
RESIN COMPOSITION



I

II

ABSTRACT : PROBLEM TO BE SOLVED: To obtain a polyolefin resin composition which shows excellent flame retardancy even when it contains only a small amount of a flame retardant by mixing a polyolefin resin with a polyammonium phosphate compound, a novel phosphate, a nitrogenous compound, etc.

SOLUTION: This composition is prepared by mixing a polyolefin resin with 1-30wt.% polyammonium phosphate compound (A) with 0.1-30wt.% (condensed) amine phosphate (B) represented by formula I [wherein n is 1-100; X<sub>1</sub> is R<sub>1</sub>R<sub>2</sub>N(CH<sub>2</sub>)<sub>n</sub>NR<sub>3</sub>R<sub>4</sub>, piperazine, a diamine containing a piperazine ring; R<sub>1</sub> to R<sub>4</sub> are each H or a 1-5C alkyl; m is 1-10; Y<sub>1</sub> is NH<sub>3</sub> or a triazine derivative represented by formula II; Z<sub>1</sub> and Z<sub>2</sub> are each -NR<sub>5</sub>R<sub>6</sub>, hydroxyl, mercapto, a 1-10C alkyl, a 1-10C alkoxy, a phenyl or vinyl; and R<sub>5</sub> and R<sub>6</sub> are each a 1-6C alkyl or methylol], 0.1-30wt.% nitrogenous compound (C) and 0.1-20wt.% polyhydric alcohol (D). The total amount of components A, B, C and/or D should be 10-50wt.% based on the entire composition.

COPYRIGHT: (C)1997,JPO